

**Work Order ID 105176**

Thursday, July 25, 2013 12:42:13 PM

**\*105176\****Ship today*

Page 1

Item ID: DSI 9585-013

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Item Name: LOCK BARREL SPRING REPLACEMENT

Stop **\*NS2\***

Start Date: 7/25/2013 Start Qty: 4.00

**\*4\***

Cust Item ID:

Required Date: 7/25/2013 Req'd Qty: 4.00

**\*4\***

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

Draw Nbr

Revision Nbr

DSI 9585

A

100

0.00

**\*100\***

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile &amp; type labels per PPP DSI 9585-013 CH001

110

0.00

**\*110\***

Pick Kit

Packaging

Memo

0.00

Packaging

120

0.00

**\*120\***

QC4- 100% Inspect kits for completeness

QC

Memo

0.00

Quality Control

Work Order ID 105176

\*105176\*

Page 2

Thursday, July 25, 2013 12:42:13 PM

Item ID: DSI 9585-013

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID:

Item Name: LOCK BARREL SPRING REPLACEMET

Stop \*NS2\*

Start Date: 7/25/2013 Start Qty: 4.00 \*4\*

Cust Item ID:

Required Date: 7/25/2013 Req'd Qty: 4.00 \*4\*

Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date: Run Start \*NR1\*  
QC: Date: SPC (Y/N): Date: Stop \*NR2\*

| Sequence ID/<br>Work Center ID | Operation<br>Description | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

130

0.00

\*130\*

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP DSI9585-013  
Location: \_\_\_\_\_

140

QC21- Final Inspection - Work Order Release

0.00

\*140\*

QC

Memo

0.00

Quality Control

4x

SL 13-7-25

MS 13-7-25

CMF

13-7-25

# Picklist Print

Thursday, July 25, 2013 12:42:12 PM

Page 1

Work Order ID: 105176

Parent Item: DSI 9585-013

Parent Item Name: LOCK BARREL SPRING REPLACEMENT

Start Date: 7/25/2013

Required Date: 7/25/2013

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP REV:A 12.01.11 new issue DD ver: JFS

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|

|         |  |              |    |  |  |     |      |         |   |   |  |  |  |
|---------|--|--------------|----|--|--|-----|------|---------|---|---|--|--|--|
| D4518-3 |  | Manufactured | No |  |  | 110 | Each | 40.0000 | 1 | 4 |  |  |  |
|---------|--|--------------|----|--|--|-----|------|---------|---|---|--|--|--|

Lock Barrel Spring

Location

Loc Qty

Loc Code

ST111

40

78652

40

MS39086-133

Coiled Spring Pin

Purchased

No

110

Each

237.0000

Location

Loc Qty

Loc Code

ST290

237

120298

237

4x

4

SPB-7-25

2x

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-588 REV. D, D350-589 REV. E,  
IIN-D350-600 REV. E, AND IIN-D130-780 REV. B AND INSTRUCTIONS FOR CONTINUED  
AIRWORTHINESS ICA-D350-588 REV. 0, ICA-D350-589 REV. 1, ICA-D350-600 REV. 5,  
AND ICA-D130-780 REV. 1

REF CANADIAN STC: SH92-41, SH93-88  
REF FAA STC: SH1012NE, SR00098NY, SR00099NY  
AUSTRIAN STC: ACG.21NE2.093  
REF EASA STC: EASA.IM.R.S.01292

REFERENCE ONLY

13/12/25 SP

## PURPOSE:

The purpose of this DSI (Dart Service Instruction) is to introduce DSI 9585-011 and DSI 9585-013 Latch Repair Kits for D2586 Latches whose springs have failed or have been lost in service. Replacement procedures are as follows:

## PROCEDURE:

### TORSION SPRING REPLACEMENT (DSI 9585-011 KIT):

- 1) Remove D2586 Latch by unfastening the MS27039-1-XX Screw and associated hardware. Retain all hardware/parts.
- 2) Remove and discard roll pin with adequate tool. Discard existing failed spring.
- 3) Install D4518-1 Torsion Spring by inserting provided MS39086-133 Coiled Spring Pin in place using adequate tool. Refer to Figure 1 of this service instruction.
- 4) Reinstall repaired D2586 Latch in accordance with respective STC using the hardware/parts removed at Step 1 above.

### LOCK BARREL SPRING REPLACEMENT (DSI 9585-013 KIT):

- 1) Remove D2586 Latch by unfastening the MS27039-1-XX Screw and associated hardware. Retain all hardware/parts.
- 2) Remove and discard roll pin with adequate tool. Discard existing failed spring.
- 3) Install D4518-3 Lock Barrel Spring by inserting provided MS39086-133 Coiled Spring Pin in place using adequate tool. Refer to Figure 2 of this service instruction.
- 4) Reinstall repaired D2586 Latch in accordance with respective STC using the hardware/parts removed at Step 1 above.

## PARTS LIST

| QTY<br>-011 | QTY<br>-013 | PART NUMBER  | DESCRIPTION                        |
|-------------|-------------|--------------|------------------------------------|
| X           |             | DSI 9585-011 | TORSION SPRING REPLACEMENT KIT     |
|             | X           | DSI 9585-013 | LOCK BARREL SPRING REPLACEMENT KIT |
| 1           |             | D4518-1      | TORSION SPRING                     |
|             | 1           | D4518-3      | LOCK BARREL SPRING                 |
| 1           |             | MS39086-133  | COILED SPRING PIN                  |

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE:  
CERT. NO.: SH92-41/SH93-88  
ISSUE NO.: 8/6

|  |   |                  |    |          |      |
|--|---|------------------|----|----------|------|
| A  | NEW ISSUE   | (REF. PAR11-135) | MB | 11.12.05 |      |
| REV.   | DESCRIPTION   |                  |    | BY       | DATE |
| DESIGN   | <br><b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA |                  |    | REV. A   |      |
| DRAWN  |   |                  |    | REV. A   |      |
| CHECKED  |   |                  |    | REV. A   |      |
| MFG. APPR.   |   |                  |    | REV. A   |      |
| APPROVED   |   |                  |    | REV. A   |      |
| DE APPR.   | TITLE   |                  |    | SCALE    |      |
| DATE   | 11.12.05  |                  |    | NTS      |      |
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*Ship today please*

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Thursday, July 25, 2013 12:42:13 PM

**\*105176\***

Item ID: DSI 9585-013

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: LOCK BARREL SPRING REPLACEMENT

Start Date: 7/25/2013 Start Qty: 4.00 **\*4\***

Required Date: 7/25/2013 Req'd Qty: 4.00 **\*4\***

Cust Item ID:

Reference:

Customer:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID Tool # Plan Accept Reject Reject Insp.  
Code Qty Qty Number Stamp

Draw Nbr

Revision Nbr

DSI 9585

A

0.00

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**\*100\***

DOCUMENT CONTROL

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Photocopy bluefile & type labels per PPP DSI 9585-013 CHG001

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Pick Kit

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QC4- 100% Inspect kits for completeness

0.00

**\*120\***

QC

Memo

0.00

Quality Control

*MLJ 130728*  
*(Signature)*